CLAIMS:

We claim:

1	1. An apparatus for providing an output voltage, comprising:
2	an output circuit being adapted for outputting an output signal having a first signal
3	range, said output circuit comprising a first part and a second part, each of
4	said first part and second part having an input terminal, wherein each of said
5	first part and said second part of said output circuit is connected at one side to
6	third voltage level and said first signal range being between a third voltage
7	level and a fourth voltage level; and
8	at least one input circuit, said at least one input circuit being adapted for inputting an
9	input signal having a second signal range and at least a two-level strobe
10	voltage, said input signal comprising at least a two-level input voltage, and
11	second signal range being lower than said first signal range, said at least one
12	input circuit being further adapted for setting a first at least one of said input
13	terminals to a voltage level related to said input voltage when a strobe voltage
14	is set to a first voltage level, and said input circuit being further adapted for
15	electrically isolating a second at least one of said input terminals when said
16	strobe voltage is set to a second voltage level, wherein said second at least
17	one of said input terminals may include said first at least one of said input
18	terminals, said at least one input circuit further comprises:
19	a switch, said switch having a first end connected to said third voltage level
20	and a second end connected to a third at least one of said input
21	terminals and said switch being adapted for setting said third at least
22	one of said input terminals to said third voltage when the switch is
23	active; and
24	a one-way conducting element, said one-way conducting element connected
25	to said third at least one of said input terminals and to said second end

26	of said switch and said one-way conducting element being adapted for
27	setting said third at least one of said input terminals to a voltage level
28	lower than said third voltage level when said switch is inactive,
29	wherein said third at least one of said input terminals may include one
30	of said first at least one of said input terminals and said second at least
31	one of said input terminals.

- 1 2. The apparatus as recited in claim 1 further comprises:
- 2 a cholesteric liquid crystal display; and
- 3 a driving circuit, said driving circuit for driving said cholesteric liquid crystal display,
- 4 wherein said driving circuit includes said output circuit and further includes
- 5 said at one input circuit.